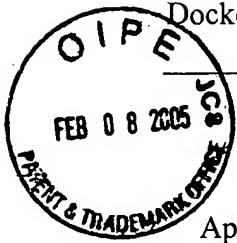


IFW



AMENDMENT / RESPONSE TRANSMITTAL

Applicant	: Iles, et al.
App. No.	: 10/728,103
Filed	: December 4, 2003
For	: HIGH EFFICIENCY, MONOLITHIC MULTIJUNCTION SOLAR CELLS CONTAINING LATTICE-MISMATCHED MATERIALS AND METHODS OF FORMING SAME
Examiner	: Binh X. Tran
Art Unit	: 1765

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 1, 2005

(Date)

Mark J. Gallagher Reg. No. 43,622

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

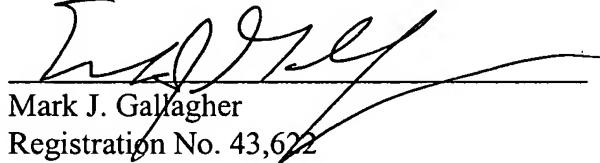
Transmitted herewith for filing in the above-identified application are the following enclosures:

- (X) Response to Office Action dated November 1, 2004 in 10 pages.
- (X) 10 sheets of Replacement Drawings.
- (X) 4 sheets of Annotated Marked-Up Drawings.
- (X) The present application qualifies for small entity status under 37 C.F.R. § 1.27.

The fee has been calculated as shown below:

FEE CALCULATION				
FEE TYPE		FEE CODE	CALCULATION	TOTAL
Total Claims	24 - 46 = 0	2202 (\$)	0 x 0 =	\$0
Independent Claims	2 - 5 = 0	2201 (\$)	0 x 0 =	\$0
Multiple Claim		2203 (\$100)		\$0
1 Month Extension		2251 (\$)		\$0
2 Month Extension		2252 (\$)		\$0
3 Month Extension		2253 (\$)		\$0
			TOTAL FEE DUE	\$0

- (X) Return prepaid postcard.
(X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.



Mark J. Gallagher
Registration No. 43,622
Attorney of Record
Customer No. 20,995
(949) 760-0404

BPINC.001A

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Iles, et al.
Appl. No. : 10/728,103
Filed : December 4, 2003
For : HIGH EFFICIENCY,
MONOLITHIC MULTIJUNCTION
SOLAR CELLS CONTAINING
LATTICE-MISMATCHED
MATERIALS AND METHODS
OF FORMING SAME
Examiner : Binh X. Tran
Group Art Unit : 1765

CERTIFICATE OF MAILING

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2/11/05

(Date)

Mark Gallagher, Reg. No. 43,622

RESPONSE TO OFFICE ACTION DATED NOVEMBER 1, 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed November 1, 2004, Applicants respectfully submit the following amendments and comments.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Amendments to the Drawings begin on page 6 of this paper. A "Replacement Sheet" for each sheet of drawings is being submitted herewith. Additionally an "Annotated Marked-Up Drawing" for each sheet of drawings being amended is also being submitted with this paper.

Remarks/Arguments begin on page 7 of this paper.